

Title (en)

Laryngeal mask with gastric-drainage feature

Title (de)

Kehlkopfmaske mit Magendrainagevorrichtung

Title (fr)

Masque laryngien avec dispositif de drainage gastrique

Publication

EP 0796631 A3 19980506 (EN)

Application

EP 97301875 A 19970320

Priority

GB 9606012 A 19960322

Abstract (en)

[origin: US5632271A] A laryngeal-mask airway device has additional provision for extraction of gastric discharges while the mask seals the airway to the laryngeal inlet. A single elongate flexible small-bore drainage tube is so bonded to the posterior curvature of an elongate flexible airway as to enhance torsional stiffness in the combined airway tube and drainage tube. The airway tube has a customary fit to the air inlet of the domed backing plate of the mask, and a generally elliptical inflatable ring around the backing plate and lumen of the mask is configured to establish a continuous peripherally sealed engagement to the laryngeal inlet. The elongate flexible drainage tube has sealed entry into the distal end of the inflatable ring, distally traversing the same with sealed distal exit from the distal end of the inflatable ring. The distal end of the inflatable ring is so configured that, despite drainage-tube passage within and through the distal end of the inflatable ring, the inflatable capacity of the distal end of the inflatable ring remains substantially the same as for the full peripheral course of the inflatable ring.

IPC 1-7

A61M 16/04

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [AD] US 5355879 A 19941018 - BRAIN ARCHIBALD I J [GB]
- [AD] US 5241956 A 19930907 - BRAIN ARCHIBALD I J [GB]
- [E] WO 9712640 A1 19970410 - BRAIN ARCHIBALD IAN JEREMY [GB]

Cited by

US7156100B1; US6439232B1; AU2008230027B2; AU2009200828B2; GB2332493A; GB2332493B; GB2323292A; GB2323292B; US7004169B2; US6918388B2; US7134431B2; US10576229B2; US9662465B2; US7305985B2; US9694150B2; US6705318B1; US7097802B2; US9974912B2; US7128071B2; US7159589B2; US7896007B2; US10126197B2; US6792948B2; US9027559B2; US10576230B2; US9675772B2; US10549054B2; US10806327B2; US10842962B2

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US 5632271 A 19970527; DE 69726208 D1 20031224; DE 69726208 T2 20050811; EP 0796631 A2 19970924; EP 0796631 A3 19980506; EP 0796631 B1 20031119; ES 2213802 T3 20040901; GB 9606012 D0 19960522; PT 796631 E 20040430

DOCDB simple family (application)

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